



GRADUATE STUDIES IN PHYSICS

Programs of Study

The Department of Physics offers programs in graduate study which lead to the degrees of Master of Science and Doctor of Philosophy. Students may register either full-time or part-time. Graduate courses in Physics are given in the evening so that part-time students who work during the day may attend. For a Master of Science Degree two options are available: (1) M.Sc. with thesis and (2) M.Sc. without thesis.

Fields of Research

Experimental
Biophysics
Nuclear Physics
Radiation Physics
Solid State Physics
Theoretical
Nuclear Physics
Solid State Physics

Workshop. The electronics and machine workshop is fully equipped and is staffed by highly qualified technical personnel.

University Computer. All graduate students may use the university computer, a Control Data 6400 using the Kronos timesharing operating system.

Science and Engineering Library. The library is in the same building as the Department of Physics and has a good collection of reference material for research in physics.

Major Equipment. Major equipment purchases since the move to the new building include voltage and frequency standards, PDP-80L data acquisition system, 14MeV neutron generator, 300 KV X-ray machine X-band and K-band EPR spectrometers, Foner (vibrating sample) magnetometer, Mössbauer spectrometers, gamma ray and charged particle spectrometers, multichannel analysers, electron microscope, 12-inch magnets, cryogenic systems using liquid helium and an electro-physiological recorder.

Admission Requirements

Master of Sciences in Physics
An honors degree in Physics, or its equivalent. Qualified applicants requiring prerequisite courses may be required to take two undergraduate courses in addition to their regular graduate program. Applicants with deficiencies in their undergraduate preparation may be required to take a qualifying year.

Doctor of Philosophy in Physics
The normal requirement for admission is a Master of Science degree in Physics with high standing from a recognized university.

Applications received by March 31 will receive priority consideration.

Financial Aid

The Department of Physics offers financial aid up to a maximum of \$3,000 per year in the form of research assistantships and demonstratorships. The University also awards a number of graduate fellowships.

Information

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